110710 Intro to Computer Science ➔ 1 credit/semester ➔ Prerequisite: None ➔ Pathways: Information Technology	Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to other Computer Science classes.
110730A/B AP Computer Science Principles ➔ ½ credit/semester ➔ Prerequisite: Intro to Computer Science or teacher recommendation ➔ Pathways: Information Technology, Aerospace Engineering, Civil Engineering, Electrical Engineering, Industrial Engineering ➔ This is a weighted course	Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. This course is endorsed by the College Board, giving students the opportunity to take the AP CSP exam for college credit.
110701A/B AP Computer Science Applications ➔ ½ credit/semester ➔ Prerequisite: AP Computer Science Principles or teacher recommendation ➔ Pathways: Information Technology ➔ This is a weighted course	Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in their community. This course is aligned to the AP CSA framework
110226A/B Project Based Programming ➔ ½ credit/semester ➔ Prerequisite: AP Computer Science A ➔ Pathways: Information Technology	This project-based learning course engages the conscientious and serious programming student. In this course, students will create projects that require computer science fundamentals and extensive research to successfully complete. Students will work either solo or in a team to execute a project decided upon by the student(s). Students must learn and demonstrate proficiency in time management, scope, research, computer science and teamwork to be successful in this course. Finally, students will engage in leadership skills by being held accountable for completion of tasks and projects.
110230 Cybersecurity ➔ ½ credit/semester ➔ Prerequisite: AP Computer Science Principles or teacher recommendation ➔ Pathways: Information Technology	Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raised students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely.
110919T1 Information Technology T1 ➔ ½ credit/semester ➔ Prerequisite: Student must be in the Information	Students obtain experience with Computer Science and IT issues.

Technology Pathway ➔ Pathways: Information Technology	
110919T2 Information Technology T2 ➔ ½ credit/semester ➔ Prerequisite: Student must be in the Information Technology Pathway ➔ Pathways: Information Technology	Students obtain experience with Computer Science and IT issues.